Press Information

Subcon 2016, NEC, Birmingham, 7-9 June, 2016

Ovako Hall: 4, Stand: B61

Turning design possibilities into reality

As the pressure mounts for designers to develop smaller, lighter and stronger components, clean engineering steels from Ovako, with their increased fatigue strength, can turn possibilities into reality.

Today, more than ever size and strength are major design factors in component design. Showing its range of clean engineering steels at Subcon, Ovako will highlight the huge design potential of its materials in facilitating the production of stronger, lighter, more efficient and compact components.

With its increased fatigue strength operationally proven BQ-Steel® offers outstanding high performance characteristics backed by a long history of exceptional bearing quality steel. Originally developed to overcome fatigue strength issues in bearing assemblies subsequent developments make it available for all types of applications.

Offering up to three times the fatigue performance of conventional steels, IQ-Steel® (Isotropic Quality) ultra clean steels not only have the capability to handle high, complex and cyclic loading, but they can also significantly improve the performance of critical components. This provides customers with distinct design advantages particularly where safety critical components are required. The purity and highly consistent quality of IQ-Steel is as a result of far fewer and much smaller non-metallic inclusion within the steel's composition. This produces ultra clean steel that performs under much greater operational conditions with properties that match more expensive remelted steels.

"Whatever the performance requirements we can supply the ideal engineering steel to match customers' specific applications and in the preferred size and shape," explained Richard Bloor of Ovako. "Our ongoing research and development continues to bring innovative product developments to engineering steels offering customers a distinct competitive edge.

“Getting this message over to designers and component manufacturers really is important in order for them to realise the full potential of what these materials can offer. This ability to supply quality, clean steels in the right near net shape means less weight to transport, reduced machining, freeing up valuable operating time and increasing capacity. As a result, there is less energy usage and waste is kept to a minimum per component.”

Also on show at Subcon will be examples of Ovako’s improved machinability M-Steel® which can facilitate cutting speeds of up to 30 percent higher while providing an excellent final surface quality. Final costs per component are also significantly lower when using M-Steel material grades as the treatment helps extend the life of the cutting tool by as much as 2-3 times.

For more information visit: www.ovako.com/rightsteel.

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About Ovako

Ovako develops high-tech steel solutions for, and in cooperation with, its customers in the bearing, transport and manufacturing industries. Our steel makes our customers’ end products more resilient and extends their useful life, ultimately resulting in smarter, more energy-efficient and more environmentally-friendly products.
Our production is based on recycled scrap and includes steel in the form of bar, tube, ring and pre-components. Ovako is represented in more than 30 countries, and has sales offices in Europe, North America and Asia. Ovako’s sales in 2015 amounted to EUR 834 million, and the company had 2,905 employees at year-end. For more information, please visit us at: www.ovako.com

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